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PRODUCTION OF LACTONE MODIFIED UNSATURATED COMPOUND**Publication number:** JP5230192**Publication date:** 1993-09-07**Inventor:** TABUCHI TAKEHARU; TAKEMOTO SHIN**Applicant:** DAICEL CHEM**Classification:****- international:** C08F299/02; C08G63/08; C08F299/00; C08G63/00;
(IPC1-7): C08F299/02; C08G63/08**- european:****Application number:** JP19920036062 19920224**Priority number(s):** JP19920036062 19920224**Report a data error here****Abstract of JP5230192**

PURPOSE: To obtain the subject end carboxyl-containing compound having improved degree of pigmentation in subjecting lactone monomer to ring-opening polymerization in the presence of an unsaturated monomer by using tungstic acid as a catalyst. **CONSTITUTION:** A carboxyl-containing unsaturated monomer (e.g. acrylic acid, or beta-acryloyloxyethylsuccinic acid) is reacted with a lactone monomer (e.g. epsilon-caprolactone) or a caprolactone polymer having 10,000-100,000 molecular weight in the presence of 0.01-10% (preferably 0.1-5%) tungstic acid preferably at 60-120 deg.C to give the objective compound.

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